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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

12/17/2003 -

Tyco Technology Resources Suite 450 4550 New Linden Hill Road Wilmington, DE 19808-2952

 EXAMINER		
WIMER, MICHAEL C		

ART UNIT PAPER NUMBER

2821

DATE MAILED: 12/17/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,221	09/28/2001	Thomas S. Laubner	17655	5888

TITLE OF INVENTION: MICROSTRIP ANTENNA WITH IMPROVED LOW ANGLE PERFORMANCE

APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	03/17/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



PART B - FEE(S) TRANSMITTAL



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block I, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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	CE ADDRESS (Note: Legibly mark-u	o with any corrections or use l	Block 1)	Fee(s) Transmittal T	of mailing can only be used f This certificate cannot be used nal paper, such as an assignm ate of mailing or transmission.	for any other accompanying
Tyco Technology	y Resources			C I haraby cartify that	ertificate of Mailing or Tran	smission a denocited with the United
Suite 450				States Postal Service	with sufficient postage for fir	st class mail in an envelope
4550 New Linden				addressed to the Ma	this Fee(s) Transmittal is being with sufficient postage for final Stop ISSUE FEE address PTO, on the date indicated be	above, or being facsimile
Wilmington, DE 1	9808-2952			Talismitted to the OS	or 10, on the date indicated oc	(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FIR:	ST NAMED INVEN	TOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,221	09/28/2001		Thomas S. Laubn	er	17655	5888
TITLE OF INVENTION: N	MICROSTRIP ANTENNA W	/ITH IMPROVED LO	W ANGLE PERI	FORMANCE		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	P	JBLICATION FEE	' TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330		\$300	\$1630	03/17/2004
EXAM	MINER	ART UNIT	С	LASS-SUBCLASS		
WIMER, N	IICHAEL C	2821		343-7000MS		
Address form PTO/SB/1 "Fee Address" indicate PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANE	ion (or "Fee Address" Indica or more recent) attached. Us D RESIDENCE DATA TO B an assignee is identified be d to the USPTO or is being	correspondence it in form a Customer E PRINTED ON THE low, no assignee data submitted under separa	ngents OR, alternim (having as a gent) and the na attorneys or agen will be printed. PATENT (print will appear on the cover. Comple	• • •	e of a single d attorney or stered patent ed, no name assignee data is only approprior a substitute for filing an ass	ate when an assignment has ignment.
	e assignee category or catego			🔾 individual 🔾	corporation or other private g	roup entity 🖸 government
4a. The following fee(s) are	enclosed:		yment of Fee(s):	61 6 / 51		
☐ Issue Fee				ount of the fee(s) is en		
Publication Fee				card. Form PTO-203		
☐ Advance Order - # of	Copies	De	The Director is h posit Account Nu	ereby authorized by mber	charge the required fee(s), or (enclose an extra c	credit any overpayment, to copy of this form).
Director for Patents is reque	sted to apply the Issue Fee a	nd Publication Fee (if a	any) or to re-apply	any previously paid	issue fee to the application ide	entified above.
(Authorized Signature)		(Date)				
NOTE; The Issue Fee an other than the applicant; interest as shown by the re	d Publication Fee (if requir a registered attorney or ag cords of the United States Pa	ed) will not be accept ent; or the assignee o tent and Trademark O	ed from anyone other party in ffice.			
application. Confidentialitics estimated to take 12 minu completed application for case. Any comments on suggestions for reducing Patent and Trademark 22313-1450. DO NOT SEND TO: Commissioner Under the Paperwork Re	ation is required by 37 CFR by the public which is to fi y is governed by 35 U.S.C. I tes to complete, including gen to the USPTO. Time with the amount of time you this burden, should be sent Office, U.S. Department JEND FEES OR COMPLE for Patents, Alexandria, Virial aduction Act of 1995, no page 1995.	22 and 37 CFR 1.14. In athering, preparing, an I vary depending upo require to complete the Chief Information of Commerce, Alexa TED FORMS TO The ginia 22313-1450.	I his collection is d submitting the n the individual his form and/or on Officer, U.S. andria, Virginia HIS ADDRESS.			
collection of information u	inless it displays a valid OM	3 control number.		1		



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09/966,221	09/28/2001	Thomas S. Laubner	17655	5888
75	90 12/17/2003	,	EXAM	INER
Tyco Technology	Resources		WIMER, M	ICHAEL C
Suite 450 4550 New Linden F	Hill Road		ART UNIT	PAPER NUMBER
Wilmington, DE 19			2821	

DATE MAILED: 12/17/2003

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

<u>.</u>

	Application No.	Applicant(s)				
	09/966,221	LAUBNER ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Michael C. Wimer	2821				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. This communication is responsive to the amendment "D", f	iled 07 November 2003. via facsimile) .				
2. X The allowed claim(s) is/are 1,3-15 and 17-36.		-				
3. The drawings filed on <u>01 March 2002</u> are accepted by the	Examiner.					
4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the:						
1. Certified copies of the priority documents have	been received.					
2. Certified copies of the priority documents have	been received in Application No					
3. Copies of the certified copies of the priority do	cuments have been received in this r	national stage applica	tion from the			
International Bureau (PCT Rule 17.2(a)).						
* Certified copies not received:	•					
5. Acknowledgment is made of a claim for domestic priority un reference was included in the first sentence of the specifical	nder 35 U.S.C. § 119(e) (to a provision or in an Application Data Sheet.	onal application) since 37 CFR 1.78.	e a specific			
(a) The translation of the foreign language provisional a	• •					
6. Acknowledgment is made of a claim for domestic priority ur in the first sentence of the specification or in an Application	nder 35 U.S.C. §§ 120 and/or 121 sir Data Sheet. 37 CFR 1.78.	nce a specific referen	ce was included			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of						
7. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF			
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2) ☐ to Paper No						
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.						
(c) 🔲 including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No						
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).						
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)						
1 Notice of References Cited (PTO-892)	5☐ Notice of Informal Pat	tent Application (PTO	-152)			
2 Notice of Draftperson's Patent Drawing Review (PTO-948)	PTO-413), Paper No	<u>17</u> .				
3 Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No	ent/Comment					
4 Examiner's Comment Regarding Requirement for Deposit of Biological Material	8☐ Examiner's Statemen 9☐ Other	t of Reasons for Allov	vance			
		Michael C. Wimer Primary Examiner Art Unit: 2821				

Application/Control Number: 09/966,221

Art Unit: 2821

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Theodore Naccarella on 15 December 2003.

The application has been amended as follows:

In Claim 21, line 1, change "19" to --20--.

In Claim 29, line 1, change "15" to --17--.

These changes were made to eliminate any indefiniteness and confusion in the claims and to provide a proper antecedent for the structure, and were made at this time by the examiner due to a previous oversight.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Wimer whose telephone number is (703) 305-3555. The examiner can normally be reached on M-F. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Michael C. Wimer

Primary Examiner Art Unit 2821

MCW 15 December 2003